

Yorkshire Dales National Park

Forecast valid from 00:00 on Thursday 10 Aug 2023 until 23:59 on Friday 11 Aug 2023

Forecast Issued on Wednesday 09 Aug 2023 at 12:54

Confidence: High confidence for a brief spell of warmer weather Thursday, followed by a return to cooler, more unsettled conditions this weekend. Lower confidence in precipitation and cloud detail.

Headline for Thursday 10 Aug 2023: Long periods of warm sunshine. Cloudier evening.

Mountain weather hazards on Thursday 10 Aug 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
No Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
High Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Clear night	Clear night	Sunny	Sunny	Sunny	Sunny intervals	Cloudy	Cloudy
Precipitation probability							
<05%	<05%	<05%	<05%	<05%	<05%	10%	10%

Forecast for Thursday 10 Aug 2023

Weather: Any isolated patches of mist, fog or low cloud will quickly clear to leave a dry and bright day with plenty of warm sunshine. Becoming increasingly cloudy from the west through the late afternoon. Areas of rain may reach the Southern Dales midnight.

Chance of cloud-free hill tops above 600m: 70%, soon improving to 90% or more.

Low Cloud and visibility: Any patches of mist or valley fog soon lifting and clearing, with only patchy cloud across some summits around sunrise. Any cloud then remaining comfortably above summits. Thicker cloud is expected to arrive from the southwest towards midnight, but is expected to remain above 600-700m, lowering overnight. Visibilities generally good or very good, although poor or very poor in any early mist or fog patches.

Forecast for Thursday 10 Aug 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/10 SW	7/10 S	4/9 SE	10/16 S	11/17 S	11/17 S	11/18 S	12/21 S	10/15 S
300	2/6 SW	1/6 S	2/7 E	8/14 S	9/16 S	9/17 S	8/17 S	6/16 S	5/13 S
Valley	1/4 NE	2/4 E	3/7 E	5/11 S	9/16 S	9/17 S	7/16 SE	4/12 S	4/11 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/12	14/13	14/14	17/15	18/16	20/18	19/18	17/15	16/14
300	12/11	12/12	14/15	19/19	21/20	22/22	21/21	18/18	17/17
Valley	14/14	14/14	16/16	20/21	22/22	24/23	23/23	19/20	18/19
Freezing Level*	3400m	3300m	3300m	3400m	3500m	3400m	3200m	3200m	3600m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

UV levels are expected to be moderate to high in bright or sunny spells, so sun protection is advisable. Brief deterioration in conditions in and around blustery showers on Friday.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Wed 09 Aug 2023	0mm	3.4mm	12mm

Forecast for Friday 11 Aug 2023

Weather: Bands of showery rain are expected to sweep across the Dales overnight with a low risk of heavy bursts or thunder. Rain clearing a little after dawn, but likely remaining cloudy for much of the morning. A mix of cloudy and bright spells through the afternoon with scattered showers developing by day. Showers are expected to move through quickly given the fresh and blustery winds.

Maximum wind: Southwest 20-25mph, gusting 35mph.

Chance of cloud-free hill tops above 600m: 20% in the early morning, especially western slopes. Improving by mid-morning to around 80%.

Low Cloud and visibility: Banks of low cloud likely in association with frontal rain with bases around 500m. Cloud gradually clearing from the west, but may linger across higher summits in the north of the park. Otherwise, bases are expected to remain above tops throughout the afternoon, even in showers. Visibility good or very good, but moderate to poor in overnight rain and in any showers that develop.

Temperature: **Valleys:** Plus 15 Celsius, rising to Plus 20 Celsius.
At 600m: Plus 13 Celsius, rising to Plus 15 Celsius.
Freezing level: Well above summits.